

Product datasheet for MR213011

1700013G24Rik (NM_027063) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1700013G24Rik (NM_027063) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 1700013G24Rik
Synonyms: A1507018
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR213011 representing NM_027063
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGGACGCCAGGTAAGCCGGTCCAACACTTACAACCACTTGAGCCAACCAACAACGTGTCTTCC
 CTCCTCGAACTCCAGGCTGGACCCAGTATCCCAATATGAACAACGGCAAGGGTCTGCGAAGCCGCTTCC
 AAGCGGCTCCGAGTTAAGCACCTCCAGCGGCCAATCTGGCCACTCCGAGCAATCCTTCAACTCCACCACC
 TCCTCAGAACTTCCCTTGGGAAGATCTGCATGGGCCGCCCTATACCTCCAAGTGTGTAGAGACGAGTC
 ACCTGACGAGAGGCCCAAGGTGGTCAAAAAGCCACCTGTCAACGCAGCAGCCCTCACTGCCTGATCTG
 CACAGACCAACCATCGTGCCCTCCAGTCTACCTTCTAGACCAGCTCATCAAAGGCATTAGCTACCTG
 GACAGATCCACCAATGTTTTCAACAACAGCAGCTACCCCAAAGCCCTGAGCTTACCTCAGCTGGCGGCTA
 CCTATCTGGAAAGAGCTGCTAACTCCCTTACCTGGACCAACGGAACGCCCCCACCCGAAGCTATTC
 CACTCCCAGCACTAGCACAGCCGCTGCCAATCAGCCCCAGCCAACAACCTGCTTGGTCCCTTCCACTCGG
 GACACCAAGAGCCTGCAGTGCCTGGGTTCCACTGGTTTGAACATCAACAACGGCCTAACAGCCAGACTT
 TCAATGTCGAGACACCTCAGAGGCCCGGGTAAAAGTCCAGAGATTCCCTGTTCCGCAACGGGTTCTT
 CTCCTTAGGTCTGTCGCCAAGTCTGGGAAGCAATCCGTTCCGGATGGAATGCTCCTGTGCCACCCCT
 AAGCCCGAGGGCTGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213011 representing NM_027063
 Red=Cloning site Green=Tags(s)

MSGRQVSRNTYNHLSQPNNVFPPTPGWTQYPNMNNGKGLRSRLPSGSELSTSSGQSGHSEQSFNSTT
 SSELPLGKICMGRPYTSKCVETSHLTRGPKVVKKPTCQRSSPHCLICTDQPCSPSPTFLDQLIKGISYL
 DRSTNVFNSSYPKALSLPQLAATYLERAANSLYLDQTERPPRSTPSTSTAAANQPANNCLVPSTR
 DTKSLQCLGSTGLNYQQRPNSTQTFNVETPQRPGVKLPEIPLFGNGFFSLGRLPKFWEAIRSGWNAPVPTP
 KPEGWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027063

ORF Size: 858 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_027063.2](#), [NP_081339.1](#)

RefSeq Size: 1036 bp

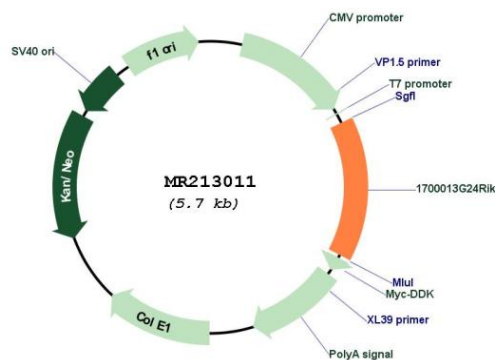
RefSeq ORF: 861 bp

Locus ID: 69380

Cytogenetics: 4 D3

MW: 31.4 kDa

Product images:



Circular map for MR213011